

Greater New Haven Clean Cities Coalition Recent Accomplishments & Future Goals

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Significant/Noteworthy Vehicle Projects

National Fuel Cell Bus Project (FTA-NFCBP)

- Project Kickoff-May 9, 2007 in Nashville
- The project members includes Columbia SC, Birmingham Al, Hartford and New Haven CT

Hartford, New Haven CT & and Columbia SC -Incls. Clean Cities Coalitions

__\$13,187,665 Program-Federal Funding \$5,668,000





Significant/Noteworthy Fueling Infrastructure Projects

Connecticut Biodiesel/Bioheat Association

• Purpose: Establish a Biofuels Industry in CT

Testing Center & Research

Tax Exemption

Grants

CT Legislation Outcome

\$4,000,000 - Production Grants

\$1,000,000 - Research

\$100,000 - Eastern CT University: The Institute for Sustainable (Outreach)

Funding through CT Dept of Economic Development (DECD)
Operational Funding through CT Center for Advanced Technology
(CCAT)



Significant/Noteworthy Coalition Outreach Activities

The Center for a Sustainable Future (CSF)
Gateway Community College, New Haven/North Haven, CT

Open Doors Open Minds
Objective

Opportunity to Build a Leaning Laboratory to Train the Technical Workforce for Sustainable Energy Future in Connecticut

- Provide Technical Training on Sustainable Energy Systems-Both Transportation & Stationary
- Develop Certification and Degree Programs in the Application of Sustainable Energy Technology
- Utilize Advanced Distribution Resources
- Improve the Efficiency of the North Haven Campus



Significant/Noteworthy Expanded Portfolio Activities



Automated Truck Plaza Parking Systems



Introduction to Control Module Inc

- Control Module was founded by Mr. Bianco in 1969
- Mr. Bianco holds over 94 US & Worldwide Patents
- Includes pioneering barcode technology patents
- Control Module has developed electronic systems for most fortune 500 companies including:
 - IBM, General Motors, US Government, Mexican Government, AT&T, Disney, Hertz, Roadway, GE, Most major airlines, etc...
- Fiscally sound and profitable for decades
- 72,000 square feet of Engineering & Manufacturing
- More than 80 highly skilled employees





Introduction to CabAire®

- CabAire® founded by Mr. Bianco in 2006 to fill the need for Truck
 Stop Electrification at Tinaco Plaza
- Further analysis revealed more in-cab services were required
- CabAire formed as sales and marketing arm of CMI
- Tinaco project results in advanced plaza lot system
- Tinaco Plaza Inc. is a \$15 million dollar travel center project in North Stonington, CT
- To date, CabAire's development is self funded

CabAire Products & Services

- Automated Detection System
- On-Demand Lighting
- In-Cab Service Module
- Reefer Power & Block Heater Power
- Security System
- Automated Environmental Monitoring
- Central 24 Hour Monitoring
- Project Management & Lot Design
- Manages to Cogent Standards
- Installation & Service



CabAire® Solution Automated Parking

Provides:

- The Driver:
 - Printed Receipt Duration of Stay and Services
 - Multiple Payment Options Check, Credit, Debit
 - Award Points, Cash
 - Intercom to Plaza Management
 - Emergency Alert
 - No Idle Warning
 - Reservation System

The Plaza Owner:

- -Controlled Access Parking Area
- -100 % Vehicle Detection
- -100 % Idle Status
- -100 % Security Monitoring
- -Solid State Lighting
- -Alternate Power Sources
- Service CabAire knows status of all components – early radar

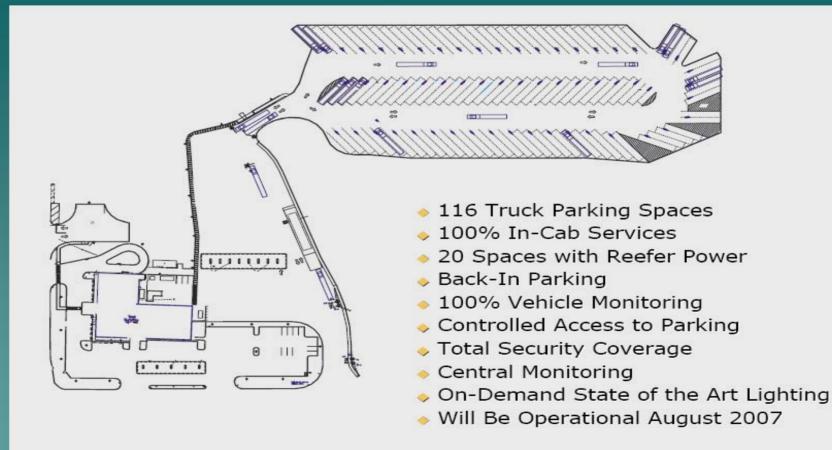








Current Project - Tinaco Plaza

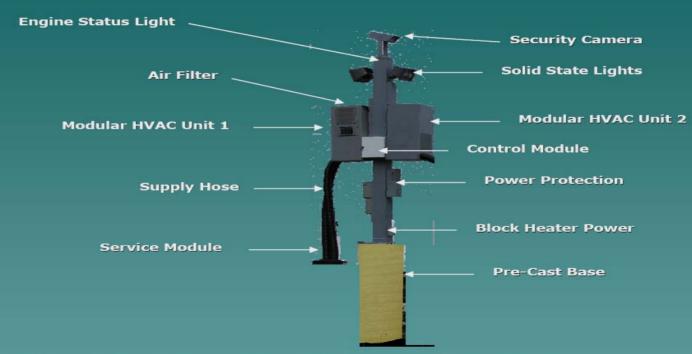




New Standards: Safe, Pollution Free, Environmentally Sensitive

Clean Cities

Tower Design Provides Plaza Flexibility



- •Dual Truck or Single Truck Support Tower
- Adapts to Irregular Parking Lots
- Maximizes Parking Spaces and Real Estate



CabAire® Solution

- Provides for the Driver: In-Cab
 - HVAC
 - Electric Outlet
 - Internet
 - Cable TV
 - New Air Filter with Each Use
 - Security
 - Intercom
- Outside
- Block Heater Power
- Reefer Power
- Requires:
 - No Over Head Gantry
 - No Loss of Parking Spaces
 - Back In or Drive Thru Parking
 - No On-Site Support Personnel
 - Energy Efficient low Noise HVAC Unit
 - No Perimeter Lighting



CabAire® Solution

- State of the Art Lighting
- On-Demand Lighting
- Low Light When Needed
- Solid State Low Energy (LED)
- 10 Year Life Expectancy
- High Efficiency HVAC Units
- Off Premises Monitoring Systems
 - WEB Based Units
- Modular Design
 - Easily Installed
 - Easily Serviced
 - Easily Upgraded

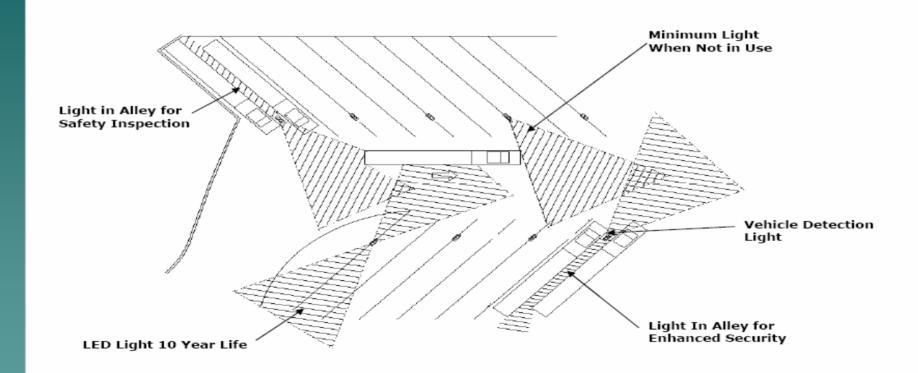
Federal Motor Carrier Safety Administration Truck Driver Survey "Drivers Prefer Safe, Well lit Lots"





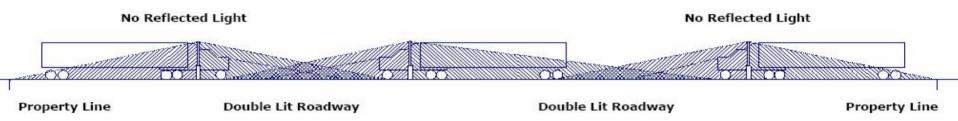
Clean Cities

CabAire - State of the Art Lighting





CabAire® Lighting With Back In Parking



- Low Power Energy Efficient Lights
- Vehicle Detection Supports On Demand Lighting
- Low Mounted Lights illuminate Reflected Light
- Cool Light Does not Attract Insects
- Minimum 10 Year Service Guaranteed
- Single Component Failure
- Intelligent WEB Enabled Interface
- Back In Parking Keeps Headlights on Property

Digital Cameras for Safety & Security

- WEB Based Cameras
- Entrance/Exit Vehicle Camera
- Entrance Driver Island Camera
- 100% Lot Coverage
- Modular Design
- Low Light Sensitivity





Intelligent System

- All Modules are WEB Enabled
- All Modules Communicate with Local & Remote Servers
- All Modules are Equipped with Self Diagnostics
- All Systems are Monitored 24/7
 - CabAire alert to component status
 - Early radar on service needs
- Parking Lot Status Can Be Sent Automatically to the (ITS) Intelligent Transportation System
- Security Alerts Can Be Sent to Law Enforcement
- Idling Violations Can Be Sent to Law Enforcement
- All Modules are Equipped with Tamper Sensors

